

REMARKS

Claims 1-6 have been cancelled without prejudice. Claim 7 and 13 have been amended. Thus, Claims 7-18 are pending in the present application. Applicant respectfully requests to enter the above amendment.

The subject matter of the various claims was commonly owned at the time of the invention because all inventors were regular employees of the Applicant at that time of the invention and obligated to assign any patent application to the Applicant.

Claim rejection under 35 USC §103:

Claims 7-10, 12-14, and 16-18 have been rejected under 35 U.S.C. 103, as being unpatentable over Cioffi (US 4,992,752) in view of Edward et al. (US 4,825,220).

The Examiner states that Cioffi in view of Edward discloses a method of tuning an active device wherein the method includes all steps as claimed in claim 7. Applicant maintains the previously stated reasoning that a person skilled in the art would not consider combining Cioffi with Edward. However, to more clearly distinguish the present application from the Edward disclosure, Applicant amended independent claims 7 and 13. Therefore, Applicant believes that none of the cited prior art discloses all the limitations of the present independent claims.

According to the amended independent claims, the method of manufacturing includes the step of providing a transmission line having an initial transmission line length of slightly more than $\frac{1}{4}$ of a wavelength of a fundamental frequency. This step is disclosed in the originally submitted specification on page 6, lns. 8-9. Next, the source and load impedance of the device are determined. Then, the characteristics of the matching circuit according to the initially determined source and load impedance are set. This matching circuit is then assembled at least in part with the device and the characteristics of the device are determined. Finally, the matching circuit is tuned to achieve the final adjustment of the assembled device whereby only

the resonance of the impedance matching circuit is changed.

Neither Cioffi nor Edward disclose such a method. In particular, both patents do not disclose the steps of providing a transmission line having an initial transmission line length of slightly more than $\frac{1}{4}$ of a wavelength of a fundamental frequency and the steps of measuring and adjusting because Cioffi simply discloses to use pre-adjusted transmission lines.

Therefore, claims 7 and 13 are patentable over Cioffi in view of Edwards or Mannerstrale.


Claims 8-12 and 14-18 are dependent claims which include all limitations of at least the respective independent claims 1 or 13. Therefore, these claims are allowable at least to the extent of the respective independent claim 1 or 13.

CONCLUSION

As hereby amended, claims 13-18 are pending in the application. The application as defined in the pending claims is patentable under 35 U.S.C. 103 in view of Cioffi and in further view of Edwards and Mannerstrale. Therefore, applicants respectfully request withdrawal of the rejection and allowance of all pending claims.

Applicants do not believe that any other fees are due at this time; however, should any fees under 37 C.F.R. §§ 1.16 to 1.21 be required for any reason relating to this document, the Commissioner is authorized to deduct the fees from Deposit Account No. 02-0383, (*formerly Baker & Botts, L.L.P.*) Order Number 068736.0221.

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By: 

Andreas H. Grubert
(Limited recognition 37 C.F.R. §10.9)
One Shell Plaza
910 Louisiana Street
Houston, Texas 77002-4995
Telephone: 713.229.1964
Facsimile: 713.229.7764
AGENT FOR APPLICANTS